Digital Network Public Address & Voice Alarm System

Digital YA & PA Systems Integration

Voice evacuation and public address systems integration includes paging system and background music system.

LAN Network System

Lowest cost & highest reliability by CAT 5 cable system.

Design & Manufacture by Accordance with EN54-16 and BS5839 Standards

EN54-16 and EN54-24 certifications are under taken.

Permanent Supervision from Microphone Capsule to Loudspeaker Lines

Monitor from mic capsule, control line, data line, controller, amplifier, fireman mic, source modular, amplifier changeover, AC & DC power supply, loudspeaker line to volume control.

Digital Class-D 100V Amplifier

One, two & four channels digital class-D switching power technology amplifier power at 120W, 240W, 350W & 500W.

Matrix Amplifier Failure Changeover Capacity of One Backup Amplifier Standby Eight Duty Amplifiers

EN 54-16 states at least one backup amplifier shall be used to standby each eight duty amplifiers, thus this matrix amplifier failure changeover offers one most economy & safe solution based on EN 54-16 regulations.

4 EYAC Messages Simultaneous Broadcast

EVAC, Alert, Clear & Test voice messages could be customized and distributed to 64 different zones at the same time.

Fault Logging History Record

Human negligence track down and could be downloaded to PC.

Open Protocol to Inter-work with Third-party Systems

Open protocol system and dry contact output to link with other low voltage system.

Multi-voice Alarm & Paging Modes

Multiple voice alarm & paging modes to all zones, group zones, neighborhood zones and individual zone.

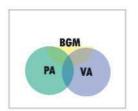
Expansion up to 312 Zones

Controller cascaded together for expansion up to 312 zones.

Digital Network Public Address& Voice Alarm System

Our systems for PA and evacuation systems in accordance with EN 54-16 combine unique functionality in perfection with extremely simple programming and operation.

The optimum customer penefit results from state-of-the-art technologies and many years of experience, put into practice Consistently.



All in one solution for BGM, PA & Voice Alarm



User friendly...thanks to easy operation! (including interworking with building management systems)



LAN networking...low cost and reliable!



Remote maintenance...with imme-diate system analysis!



Digital amplifiers 100V of Class-D... space saving with reduced cost!



Open system architecture...
extremely easy interworking with third-party
systems!



Extremely easy system planning... affords cost advantages for you!



Safety in accordance with EN 54-16... quick evacuation in emergencies!



Matrix Amplifier Failure Changeover Most economy solution for amplifier permanent monitoring system: one backup amplifier standby eight duty amplifiers!





* It supports both pull and push operations in system configuration to ensure the safety of the configuration datas.





VA-6000MA in o (nil digiiol controller for public address (PA), *oxe alarm ond buikgrouitd music intern. It can stand olons control ihs cc-niplele system ond inquiry the status through it; 5'colorful touch screen.from gnethet side, the PC wilh software enable re customiied ptogram control, a ute in otic ions κ eguipments menitgr ond monagtmtnt. The programmable control input gnd outputs ctuld be inttractive with AY alarm module er other third porry low volrage rarity yfitam

Features

- 1.5 indi HD color touch graphical operation inurf ace.
- . One key touch for emergency alarm.
- Support zone selection, zone distribuliar.-grojpincj operation, the volume can he adjusted independently.
- Support cusiontised zone name, group name, hast name (mulh hoil network], eniy lo operate and monage.
- Support evenl trigger, timing trigger control uuluul.
- Suppori ronE monitor, equipment itaius real-time check.
- Support evenl Irigger call, con he lei re-calling limes when no answer
- Inlegroled 4 independent player (upporti MP3 and wma:ml larmuts).
- Supporilfnei redundant wiring.
- Elhertiet online tonfiguration. «itlrol interlace can work oflline.
- Con tonlieci ip to 4 româie microphon*j ai diiiattte ol at leoit dOO meTen and iuppori a microphone circuit
 redundancy wire.
- * ^upponlfnl({i9eTefauifireanrceller(finhiiSonjians 9100 and Ш uriei el lire linkage tonireller,.

Basic Functions

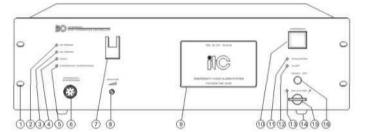
Integrated 1 independent background muiic player, support timing, fixed, [urvtd. specify playback mod*, support MP3aad WMA audio formats.

- * hrsqrnteil 1 independent voice player, convenient for replacing voice menage and language according ID actual application*.
- * Integrated 2 independent EVAC voice rneisoge players; support programmable slage evacuation alarm mode and specified partition evacualion alarm mode, Kvacuaiion alarm and warning can be played at the lame lime.
- * Integrated 1 channel analog lelephoue interface, convenieni for re mole lelephone poking breadtKI.
- 4 linei inpul (one ii (fpiiotial for line or ordinary microphone), F oudkroliifuli, audi**01 \mid mi tor *xternol intern recorder, lor in an emergency cull speech recording.
- * A remote MIC interface, connected to "A-6 (\coprod M and VA-6QOORM remote microphone. AH paging static «nine c ted with The ftandard RJ-45 network and CQT-5 network, uting Ifing-di'tance parciffit trfln^mi^ion mode tor language μ c μ mm π n, the diffrance is up to 600 meters.
- * 3 level signal or no voltage short circuit (or voltage framth? programming decis-ion, defrwitno vi-itagej inpuriemiinnl, (con hi regarded nii] quick control key), each shacicutitey lunrriant car he 'pficrfied', sgcims: ploy language meisage ro specified Ton&s or open externaJ power supply m trigger a rhird party equipment to achieve itie event triggering warning.
- * fleal time diognosis. treatment, rernid*ICOO.. support sound, light alarm ond prompt mninle nance, trouble Pooling when abnormal.
- * Support hasic Window platform visual operation interface, stuatus nu1amalic synchronization, clossificntton rights management to ensure lie security system.
- * Syilem ^uppon lor Ihird parly online wilhi>u1 valiage relay input and output interface.
- * Hast has a full backup lundion. by adding multiple haili, filsci can be based on the "cloud" architecture. whea esure the syilem is mare iale and sound, increase the total Expansion syilem cantrol point (Note: co-nligurale VA-iDOOSI before increasing, otherwise the increased host cannot operate and work. The ho si will automaticolly prompt th κ user ** configure*].

111184	VA WOLLE
HUM Electrical appointment	VA-ШОМД
Electrical specification!	
The AC power supply	2004 20 1004
Voltuge	~ 230V. SO.SOHi
Maumun rarrent	Less thon 0.2A
Sperificorini of the luse	1S0V/IA, slew type
Fowei	31*
DC pnwEi suaplv	
Village	MVD(,±M'H
Moiimum currenl	19
Performance index	
nor nency microphont	
Smshi.hr	in¥
mpedance	«id
Line input	
D.stonion	< 1 ^(rated output power), 1 κHτ
Frequency	B0Hz~?0kHi
SmtthIty	3iOrtiV
Impedance	I»O
SH	>70d8
(ecord output	
DliurtIH	<114(rotid output power),HH2
Frequency	ZOOmV
Sensitivity	>;idi
:ч Mi § DUtput	
Faull relay output	Short rrnuit, no voltage
Fire linkage reloy nut put	Ут' (ir;jil. nn vnllrjge
8 relay programmable output	Short circuit, no voltaie
J-igm wo bit U(I4V HWEI output!	+КМУ.1Л
programmable trigger input	
Level model	Ш highest 3.3V
Short circuit mode	Short circuit, io voltaie
Short nrair input	
Fire ristt iapul cortart	Pulses 0.59 nn lolloge
Voice message	
Huta formal	MF3orWMtlornat
Siotajttypt	SI .
Information rapodty	tJSJifp'oqrammnb e maiimuT 2S5)
Slororjetiaie	midyears
Lo inlonnation	imayouro
Oatafonnai	ни
Stwmetyr»	N» d Flash
Information Lapoilly	1100
Slotaje time	>10 years
Stotaje time Mechanical index	/ I U years
Mechanical index The Hit (lenrjtb < «ridlh . dtplh)	4HI13:H4VTT (Hmdns.Ne.W)
Net weight	About S.t.J KG
Installation	Desktop or 1! inch cabinet
Color	•lack
[nvrronmenlol requiremfInli	
Ope rating temperature	+sr - +«r
Sloroce temperature	-20°C ~ +70°C
Motive temperature	<95%



VA-6000MA Front Panel <<



Connectors

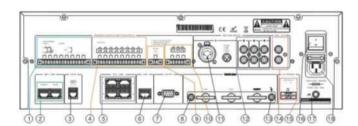
- Ц) Mounting positioning holes {19 inch cabinet].
- 7) Main power indicator.
- (I) Green the current host AC power supply is normal.
- (?) Yellow the current host AC power is in failure.
- (.1) The host DC24V standby power indicator:
- (I) Green current host AC power supply is normal.
- (?)Out. current hast standby power supply is not configured.
- (3) Yellow-currant hast standby powar supply fault.
- (T) System status indicator:
- (1) Yellow indicates the current system is fault, long sbine means libe user performs a manual reset., lasted about I minute, if the knit does not be eliminated, will continue shining; when the system Inult be rtcmoved, libe led automatically extinguished.

(?) Out - eath module is running normally or the system dosso't open module detection;

- © 8 @ P"TM' emergency PTf(pusb tDtalk) microphone.
- "(5) " Color status description:
- (1) Out-HI in normal.
- (Z) Green FIT is broadcasting.
- (3) Yellow-fault.
- " . 6, 1" Aviation socket, used to connect lbe PII microphone.
- "Ц) * PIT microphnnehanpr.
- If the littr presses Π switches, the host will do the following o judgmetil, function reference implementation
- are (Mc lev.:
- (I)Selects partition lor selective broadcast
- (Z) Without selecting partition, it is for all zoae broadcast.
- (3Jlf tha system is working in emergency mode, no partition is selected then it broadcasts to the current trigger output part ilia a.
- Note: in the process of broadcasting the PTT microphone unclip switch for more than S seconds, lbe system

- will automatically col off the radio.
- (D The mon-machine interface (5 inch TFT with loach LCD, please refer to the user manual operation --).
- (?) Partition monitor speaker volume control knob: used la adjust trie volume Ю monitor the curreni partition audio output after open lhe monitor,
- (lu) System work mode twitch:
- (I) ted quick flash tht system is currently in reset mode, probibition all manual op er alien.
- (?) She red flash slowly Ibe system is currently in emergency mode (press about 3 seconds to manually entered or automatically triggered automatically enter, this mode allows to play IMC audio, normal mode is not allowed).
- (3) Qut- working in normal made.
- Noli; 1, when lbt indicalor light is (lasbiag press by about 3 4 second: toeiitftom emergency mode.
- 2, when the indicator light is olf press about 3 4 seconds la enlec emergency made.
- ® @ Bvacuation ..'warning «oice meisags/e< work stats indicator
- (1) Extinguished evacuation /warning voice message : BGM normal.
 (7) Yellow- evacuation/warning voice message/ BEH fault.
- ® The hest feel
- $\dot{\nu}$ ^) Background music slacarje(SD) card, usedtD stDrethe uuckground musEC, can be MP3 and wma format
- (note the me mot y curd song quantity cannol sutpats 21S).
- $(\verb|^Multifunctional multiplexing keys (RESET/OFF).$
- (I) The uter seltrt the partition <an close the currently selected by a user partition output.
- (I) The panel r $\dot{\text{I}}$ microphone was broad lasting, ptess this bufton lo quickly end the broad last.
- (J)The system failure by pressing this button can be temporarily closed lbe buirer output (about 1 minutes, to close the bunec output, all faults at coccespending fouli nodule prohibition detection function should be get rid oil.
- (4) Press this button to enter Ibt non main interim» into Ibt system log interface when the system is no in
- Note: order of execution PTT bfaadcasl select lbe zones system fauns back to the mo in interface.

VA-6000MA Rack Panel <<



Connectors

- φ1 level si gaol or short no voltage input signal.
- (?) System network into rf ace. ©Telephone interlace.
- (4)!relayDutput interfaces.
- ©1 remote MIC inlet facts (note MIC address should be corresponding with the number)
- © C A N bus interface, connectingta eiternal >: l.jJCSC
- ©System firmware upgrade interface.
- Speech SO card plate and fastening screws,
 it KC W power output (programmable, manually or automatic control output).
- ® From left lo right; system fault status output interlace ~ any module fails, Ibis interface is shorted output, otherwise disconnected: working stale aulpul, pull.in when the system is in emergeocy mode is, oft when in
- normal mode; emergency reset ioput interface when the system is working in emergency mode, input a low level signal bigger than OSS from this interface to reset the system in to normal working mode.
- $\ensuremath{\mathfrak{B}}$ line inpull connects 10 eiternol MIC/CD/TONE uudio signal.
- ® MIK2JUJ3 AIM line input connects to eilernul standard audio signal like CO player, rndio and so an.
- !M; nan parallel mint phone audio output sipol, that is record in a audio signal oulpul.
- @ the hail DC2"V DC power input socket, connects to eiternol VS 6MOBC power supply interface.
- ® the main pewer switch.
- @ the host shell grounding (NDie: please ensure the reliable grounding).
- (i)) AC main power input socket (with fust and the power switch, confirm the voltage range before power only.



VA-6000MS changeover is an integrated controller supporting main and backup amp swithing, speaker circuit grounding detection, open circuit and short circuit detection, compatible with three or four wire volume controller wiring, without extra wiring or power supply; combining 8 programmable stem node or wet node trigger inputs and 8 programmable on-line output signal. It works with class D amplifiers, traditional amplifiers to provid a safe, affordable solution to the PA & Voice Alarm system.

Features

- 2U chassis design, high integrated, modularization.
- · Support speaker circuit grounding, open circuit and short circuit detection.
- · Support 3/4 wire horn circuit wiring.
- 8 prograinmable trigger input interfaces,
- 8 programmable trigger output interfaces.
- ${\boldsymbol{\cdot}}$ Support power-saving mode when the amplifier has not input signal enters.
- · Support linos redundance wiring.
- · Support linkage to fire alarm controller.

Basic Functions

- * Main amplifier automatic backup switching power amplifier, real-time detection, indicate by different color LEDs
- * Real time monitoring speaker bus loop, power amplifier status, automatic control switch.
- * Allows amplifier enter into power saving mode when no signal input to save energy (start through VA-6000ST, default disabled).
- * Allows to configure the priority of network and local audio.
- * Support power through, even if the main and standby power supply is cut off at the same time (amplifier power supply normal), the local 8 audio signals are not affected.
- * 8 stem node or wet node input port, to trigger the pre-programmed language information to the specified zones or open the coresposing external power to the corresponding event warning.
- * 8 programmable relay signal output port, ouupt no voltage output short circuit relay control signal to the third party equipment to realize on-line automatic control.
- * Provide DC 24V standby power input interface (connect to 24V DC supplied by VA-6000BC).

Model	VA-6000MS
AC power supply	
Voltage	~ 230V, 50/60HZ
Maximum current	0.3A (not including the 4 wire strong cut output
Specification of the fuse	2S0V/1A, slow speed type
DC power supply	DC power supply
Voltage	24V DC, ±20%
Maximum current	2A (not including the 4 wire strong cut output)
Power	48/V
performance index	
Parallel signal input / output	
Distortion	<1 % (rated output power),I kHz
Frequency	80Hz~20KHz
Sensitivity	385mV
Impedance	10KO
9\R	>70dB
Contact output	
8 relay programmable output	Short circuit, no voltage
8 programmable trigger input	8 programmable trigger input
Level model	The highest 3.3V
Short circuit mode	No voltage, short circuit
Cooling way	Air cooled
Protection	Delay / temperature / short / overload
Mechanical index	
The size (length x width x depth)	484 x 88 x 447 mm (19 inches wide, 2U)
The net weight	About 7.8 kg
Installation	Desktop or 19 inch cabinet
Color	Black
Environmental requirements	
Environmental requirements	+5V ~ +40∏
Storage temperature	•20T: ~ +70"C
Relative temperature	<95% (no treatment)

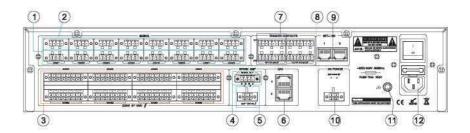
VA-6000MS Front Panel «



Connectors

- © 19 inch rack location hole and machine foot.
- © Main power indicators:
- (1) Off stop working.
- (2) Green in normal power supply.
- (3) Yellow-main power fault.
- © DC24V power indicator:
- (1) Off main power is not configured.
- (2) Yellow standby power supply fault.
- (3) Green standby power supply in normal.
- (4) Network status indicator:
- (1) Yellow disconnected from the network.
- (2) Tgreen network in normal.
- © The main amplifier 1~8 channel state indicator:
- (1) Green power amplifier work.
- (2) Yellow-power amplifier fault.
- (3) Red the main amplifier fault, the duty of the current falut main power amplifier has shifted to the standby power amplifier.
- © 6 standby power amplifier work state description:
- (1) Green power amplifier work.
- (2) Yellow power amplifier fault.
- (3) Red the main amplifier fault, the duty of the current falut main power amplifier has shifted to the standby power amplifier.

VA-6000MS Back Panel <<



connectors

- © 8 parallel signal and audio power amplifier sleep signal output interfaces .connecting to external amplifier signal input.
- © 8 local parallel audio signal input interfaces, connecting to external parallel audio signal output device.
- © 1~8 partition audio power signal output, connecting to external speaker or a three / four wire voice control box.
- © Standby power amplifier audio signal output.
- © Backup audio power signal input.
- © CAN bus interface, connecting to external VA-6000BC.
- © 8 programmable trigger signal input (level signal or short-circuit no voltage signal input).
- © 8 programmable relay output signal.
- © Network interface.
- (Q) Backup power supply input interface connecting to external VA-6000BC DC power supply output.
- (Q) Chassis ground (Note: please ensure the reliable grounding).
- © Power supply switch.



VA-6000FM is used for paging control in the VA-6000 system, to allow users remote control the system's voice massage and make paging call. It supports eight zones/groups selection. It can add zone/group by adding extension unit VA-6000EM which also can support eight zones. Seven extension units can be added at most in a system to expand to 64 zones.

Features

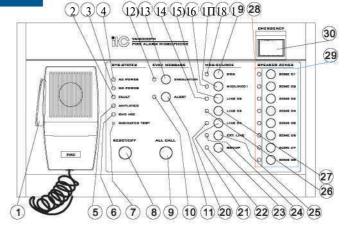
- Onekey zone selection, easy to understand and operate.
- Parallel transmission can realize long distance transmission through CATS cable.
- Easy to see the system fault and system module status display.
- · Support zone/ group selection extension.
- Support lino audio input and the volume is adjustable.
- . Support redundancy wiring.
- Support DC 24V.

Basic Functions

- * MIC output level is adjustable.
- * Priority of poging can be set through VA-6000ST software.
- * Build-in HI-FI monitor speaker, support monitor output.
- * Onekey to fast enter into emergency broadcast status.
- * With external headset jock, to monitor or recording the poging voice.

Moôd	VA-6000FM
DC Supply	
Power Supply	24V DC, ±20%
Maximum Current	0.1 A (including extension unit)
Power Comsumption	2.4W (including extension unit)
Perfermance	
Parallel Signal Output	
THD	<1 % (rated output power),l kHz
Frequency	80Hz~16kHz
Sensitivity	500mV
Impedance	IOkQ
S/N Ratio	>70dB
Line In	
ТНО	<1 % (rated output power), 1 kHz
Frequency	80Hz~16kHz
Sensitivity	350mV
Impedance	IOkQ
S/N Ratio	>70dB
Microphone	
Sensitivity	SmV
Impedance	600П
Machine	
Demension(LxWxD)	256 x 52 x 149mm
Net Weight	1.5kg
Mounting	Desktop or 18 inch cabinet
Color	Black
Environment	
Operation Temperature	+5°C ~ +40°C
Storage Temperature	•20°C ~ +70°C
Relative temperature	<95% (no condensation)

VA-6000FM Front Panel «

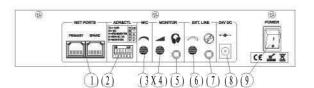


Connectors

- φ @ Handset PTT (push to talk) microphone coll switch and work status indicator light:
- (1) Off PTT microphone normal.
- (2) Yellow-PTT microphone fault.
- (3) Flash Green Microphone priority is replaced by the audio which has higher priority than it.
- ϕ System status indicator light (Note: not the microphone status display):
- (1) Off All devices and module spare power normal.
- (2) Yellow one or more devices and spare power fault.
- (3) DC power status indicator light of the devices (System will ignore the working status if no configuration and display normal by default):
- (1) Off Some or all of the devices DC power supply fault.
- (2) Yellow All devices DC power supply normal (display normal even there is fault if no
- @ Main power status indicator light of the devices:
- (1) Off All the devices or modules power supply normal.
- (2) Yellow Some or all devices or module power supply fault.
- © Working status indicator light of the amplifier:
- (1) Off All amplifier working normally including spore amplifier.
- (2) Yellow-Some or all amplifier fault.
- ® Indicator light of test button: After press the test button, all indicator light color will change from green to red to yellow and last to normal. System main power state indicator light:
- (1) Green All devices and modules power supply normal.

- (2) Yellow Some or all devices and modules main power supply fault.
- © Fault resetting/ close zones.
- © All zones selection button.
- ®@ Alarm voice status indicator light and control button:
- (1) Off Alarm voice player and memory card audio file normal.
- (2) Green Alarm voice is playing.
- (3) Yellow Alarm voice lost or player fault.
- ©@ Evacuation voice status indicator light ond control button:
- (1) Off Evacuation voice player and memory card audio file normal.
- (2) Green Evacuation voice is playing.
- (3) Yellow Evacuation voice or player fault.
- @ (5) @ @ @ @ @ @ @ Main controller line input control and status indicator light:
- (1) Off Current line input is not working.
- (2) Green Current line input is working.
- ©@ BGM status indicator light and control button:
- (1) Off BGM player and memory card audio file normal.
- (2) Green BGM is playing.
- (3) Yellow-BGM or player fault.
- ©@ zone and group control mode selection button.
- @© Microphone and line input selection button, green means current input.

VA-6000FM Back Panel <<



Connectors

- © Main and spare network interface.
- (2) Device address and function configuration! "1,2" are control bits for device address, "4,5" are the control bits for main device to terminal resistance and spare device to terminal resistance, "6" is control bit for local voice monitor).
- © PTT microphone output volume adjustment.
- © Volume monitor.
- © Audio output monitor.
- © Line in volume adjustment.
- ® Line in.
- © DC24V input.



VA-6000RM Is used for remote control VA-6000 system, allowing remotely control for system voice message information and zones paging by users, it can drive 8 zones and extended zones or groups by Microphone Extension unit(VA-6000EM) to 64 zones, each can connect max 7 extension unit and every extension keyboard have 8 zones.

Features

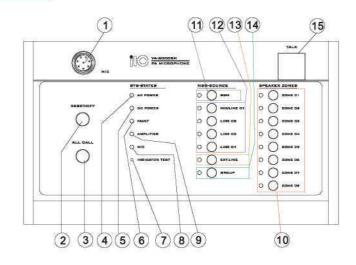
- · One press to select zones, which is simple and intuitive.
- · Parallel transmission; extend the transmission distance by CATS.
- · Obvious system fault and module status indicator.
- · Supporting zones or groups extension.
- · With line audio input and adjustable input volume.
- · Paging button mode and PTT mode are all available.
- Supporting redundant wiring.
- · DC 24V Phantom Power supply.

Basic Functions

- * Microphone output level is adjusted.
- * Ontrol priority right is available by VA-6000ST.
- * Build-in Hi-Fi monitor speaker, with $\,$ monitor output.
- * One press into the paging status.
- * External Headphone jack; can monitor or record paging voice.

Model	VA-6000RM
OC Supply	
/oltage	24V DC, ±20%
Max current	0.1A (not including extended panel)
Power dissipation	2.4W (not including extended panel)
Performance index	
Balance ipput	
Distortion	<1%,1kHz
requency	80Hz~16kHz
Sensitivity	500mV
mpedance	10Ю
loise Ratio	>70dB
ne input	
Distortion	<i%(rms),ikhz< td=""></i%(rms),ikhz<>
requency	80Hz~16kHz
Sensitivity	3S0mV
Output Impedance	Юю
NR	>70dB
/ic	
Sensitivity	5mV
Output Impedance	600Q
Mechanical Specifications	
Demension(L x W x D)	256 x 52 x 149mm
Veight	About 1.5kg
nstallation	Desktop or 19 inch rack
Color	Balck
invironmental requirement	
Operation temp	+5°C ~ +40"C
Storage temp	•20°C ~ +70"C
Relative temp	<95% no condensation

VA-6000RM Front Panel «

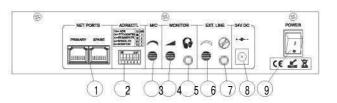


Connectors

- (D Goose Mic Socket. ® Fault reset/Zone closed.
- ® Full zone selection.
- © The status indication of main power supply in the system:
- (1) Green Normal status of all the equipments and main power supply module in the system
- (2) Yellow Unusual status of any equipment or main power supply module in the system
- $(\overline{\underline{\mathfrak{S}}})$ The status indication of backup DC power supply in the system:
- (1) Off Normal status of all the equipments and backup power supply module in the system.
- (2) Yellow Unusual status of any equipment or main power supply module in the system.
- © Unusual status of any equipment or module in the system:
- (1) Off Normal status of all the equipments and modules.
- (2) Yellow on or flashing All the equipments or module of the system are in fault status. ® Testing button of the indicators on the panel: if this button is pressed, the indicators on the
- panel are on from green, red, to yellow, which means it is in normal status. ® The status of the goose mic

- (1) Off Goose mic is normal.
- (2) Yellow There is fault in the goose mic.
- (?) Working status of the amplifiers in the system:
- (1) Off All the amplifiers including backup amplifiers are working normally.
- (2) Yellow All/Any of the amplifiers including backup amplifiers have fault problem.
- 10 Zone working status indicator and selection button.
- © BGM control of the master unit: (1) Off - Normal status.
- (2) Green-Working status.
- (3) Yellow-Fault.
- © Line input audio selection control button.
- (13) Goose mic and mic line input selection button.
- © Zone and zone function selection button.
- © Paging switch.

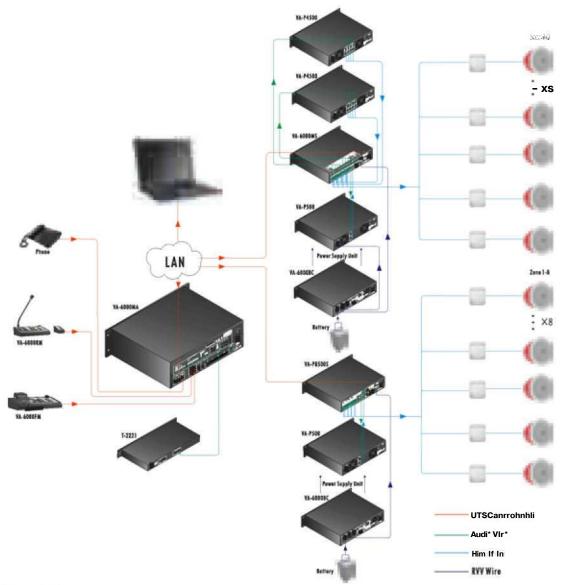
VA-6000RM Beick Punel <<



Connectors

- (2) Networking address and function configuration ("1,2" bits: Equipment address control; "3" bits: Configuration panel; "1,5": Paging button control mode-light touch or PPT mode; "4,5" bits: Main and backup units to connect the terminal resistance control; "6" bits: Local paging monitoring control).
- (3) PPT mic output volume adjusting.
- (4) Monitoring volume.
- @ Monitoring audio output.
- © Line input volume adjusting.
- ® Line audio input.
- © D C 24V input.
- © Power Switching.

16 Zone EVAC System Connection Template-3

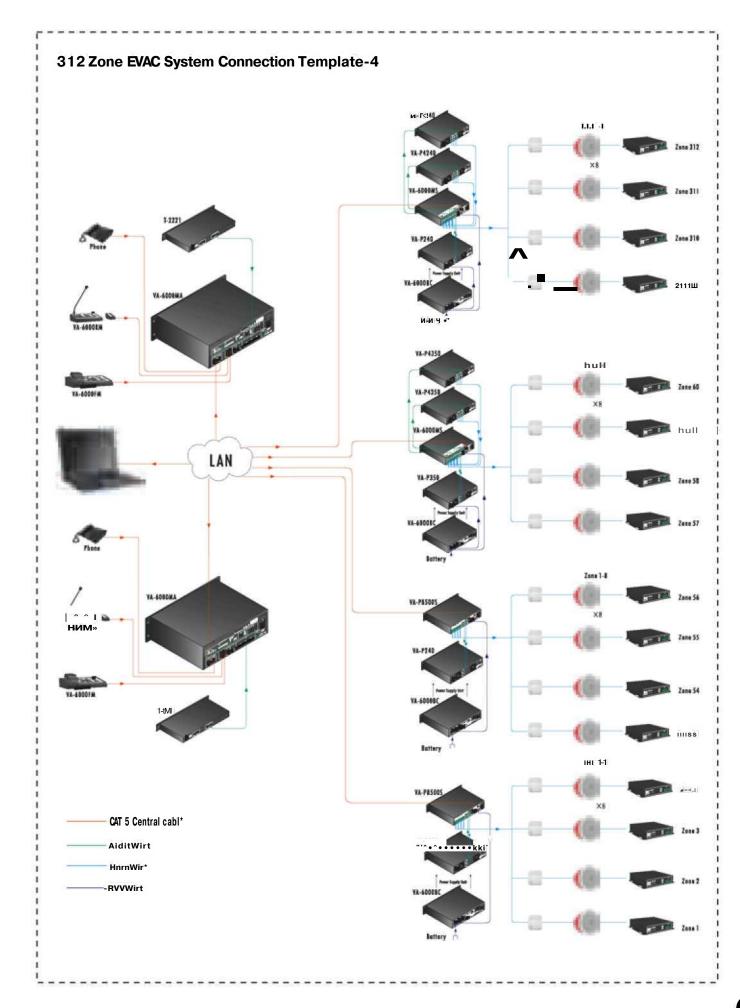


Application solutions

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System equipment list

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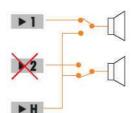
Reliability in any emergency situation!

Built-in MP3 module for audio signals-close to CD quality

monitored to comply with EN 54-16

Built-in stand-by amplifier

monitored to comply with EN 54-16



Monitored Fireman's Microphone

The fireman's microphone, which is used to broadcast life-saving instructions in an emergency, is permanently monitored. A fault on the microphone capsule or on the microphone line will immediately signal a fault indication.



2 monitored inputs for trigger of evacuation and alert message

These 2 volt-free inputs,e.g. coming from a fire detection system or from external push-buttons, are used to trigger the evacuation and alert message into all zones. These lines are also monitored and a break or a short circuit of the lines will immediately signal a fault indication.

Integrated and monitored battery backup

The integrated maintenance-free 24V high-power battery supports uninterrupted operation of the voice alarm system for 30 minutes and standby for 72 hours. The integrated and intelligent battery charger is also monitored and can detect a faulty battery by means of monitored to comply the charging current.

The integrated maintenance-free 24V high-power battery supports alarm to all the voice alarm systems. The integrated and intelligent battery charger is also monitored and can detect a faulty battery by means of monitored to comply with EN 54-16

Fault logging

The system can store up to 500 fault messages indicating date and time of occurrence in a non-volatile Error. The data is therefore secure and retainde duting a total power breakdown.

Loudspeaker line monitoning

All loudspeaker lines are continuously monitored. The monitoring is based upon speaker loop line supervision. lines. This method ensures that a faulty loudspeaker line maintenance costs are significantly.

Digital Voice Evacuation & Public Address System

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System Overview

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6. Class D angliffer

There are \$177.4 channels Closs II amplifiers with different powers of \$1209/2409/350W, which will most the power needs of each zone.

7. Flexible zane configuration

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